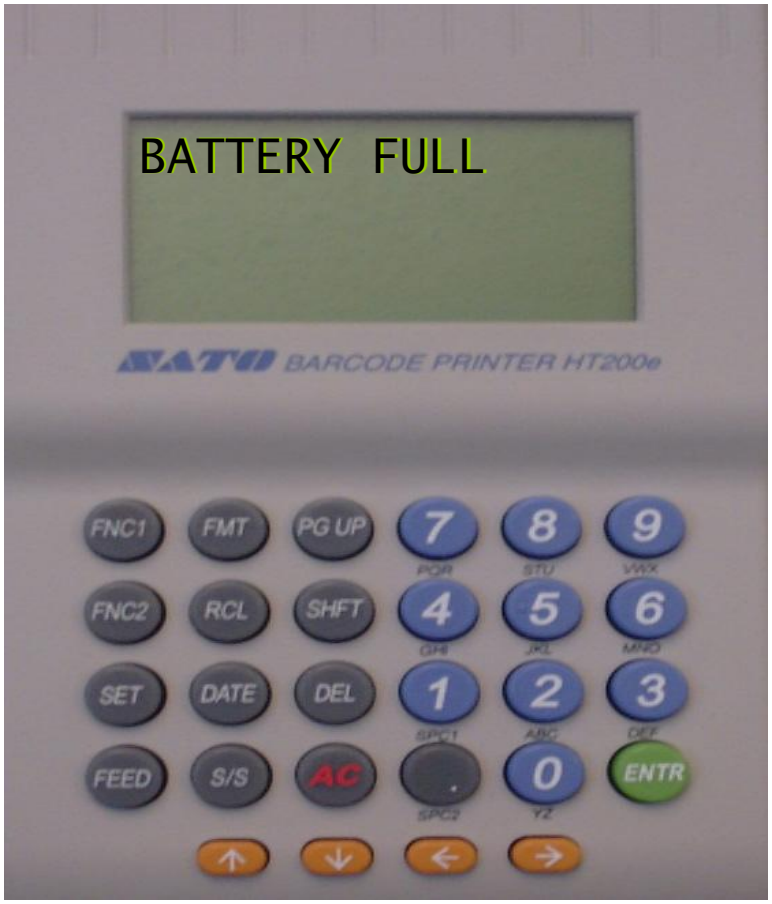
DCS & Labeling Worldwide

HT200e Configuration

Configuration

Initialize - Power On

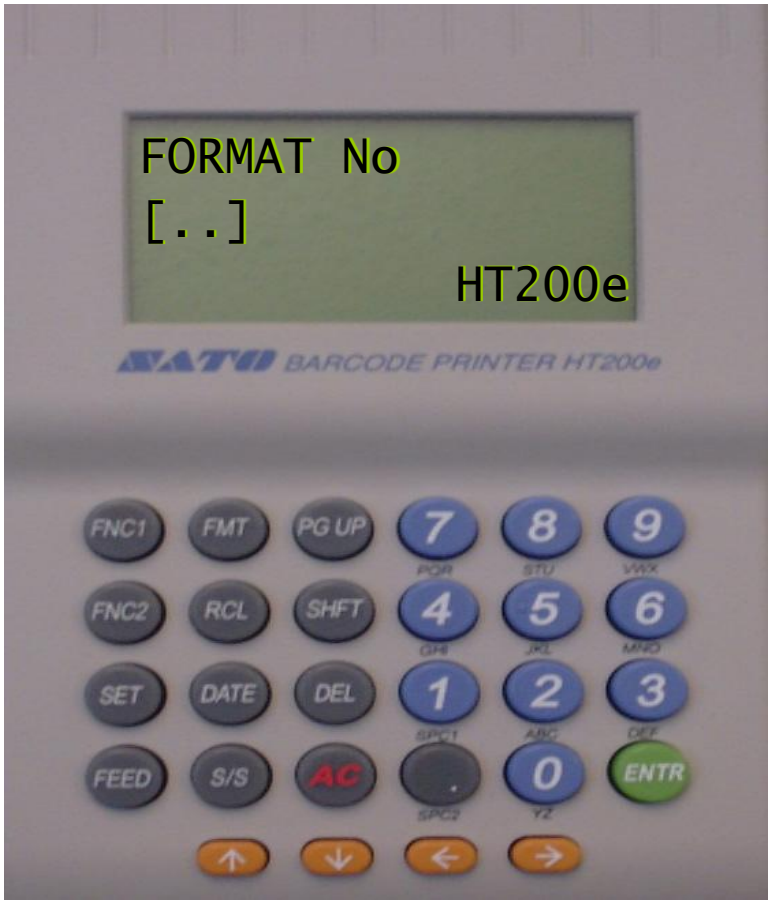


Displays the current battery charge

Does not apply when connected to AC power, as the battery option is not installed and will always display BATTERY FULL

Configuration

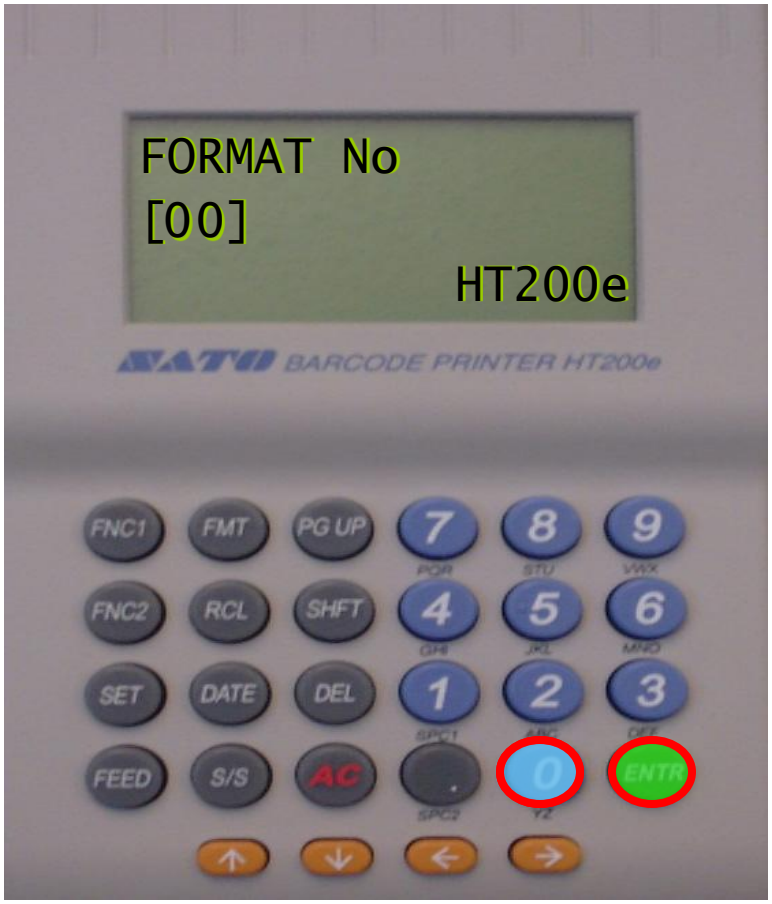
Initial Setting Mode



Prompts for user input for any stored **FORMAT** number

Configuration

Initial Setting Mode



Entering **FORMAT Number "00"** will allow you to configure the HT200e default settings - Press **ENTR** key

Configuration

Initial Setting Mode

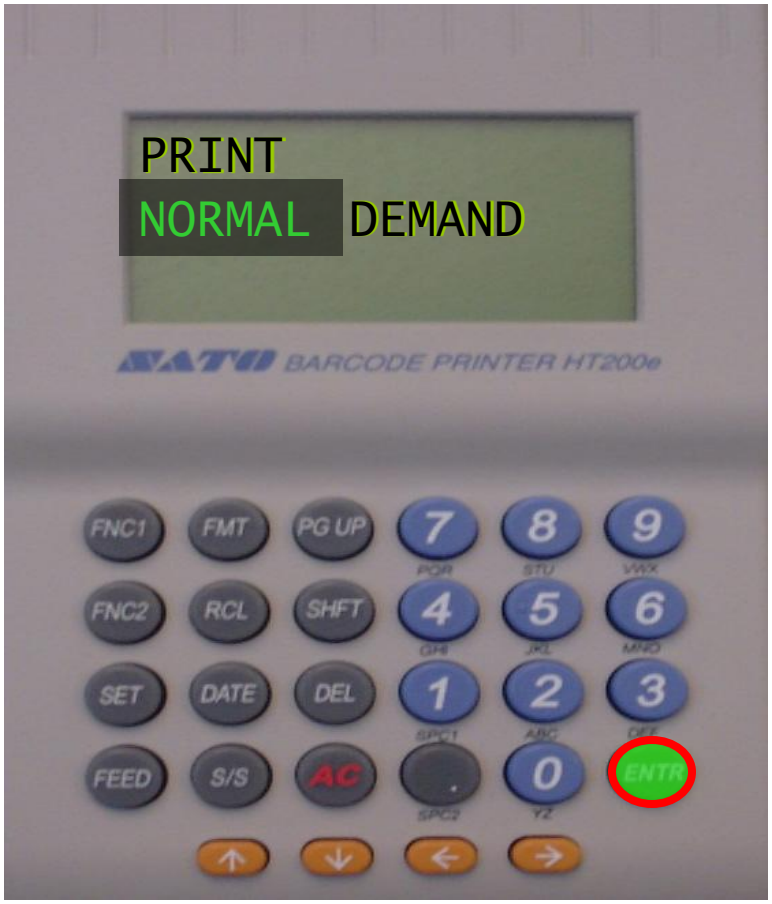
This option instructs the HT200e where the preset information will be stored – use the left/right arrow keys to select

INT RAM is for the internal memory

OPT CARD is for the optional memory card

Configuration

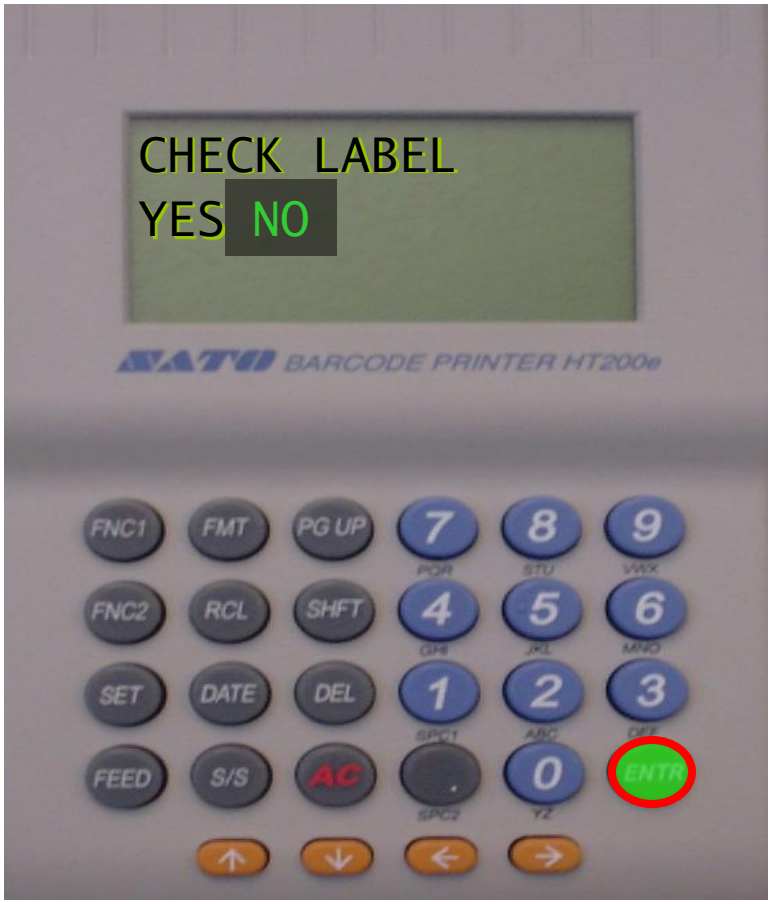
Initial Setting Mode



This option instructs how the labels will be printed. **NORMAL** will print all label quantity, **DEMAND** will peel and present one at a time

Configuration

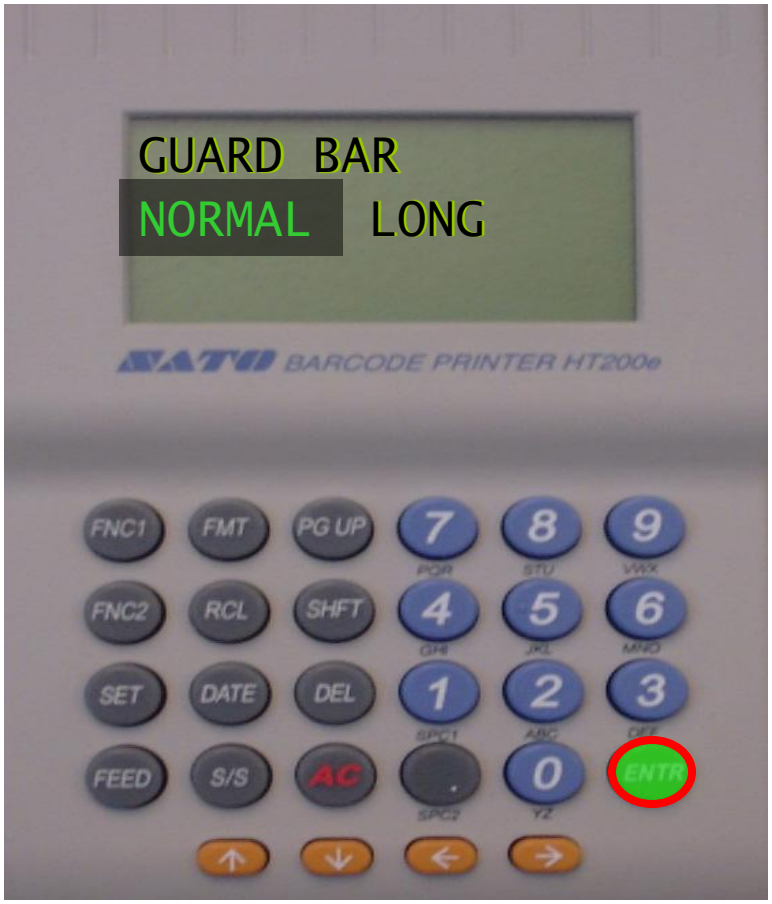
Initial Setting Mode



Check Label instructs the HT200e to print a check label at the end of any printed labels

Configuration

Initial Setting Mode



Guard Bar indicates whether the guide bar for the appropriate barcode is either normal or long (i.e.: UPC-A)

Configuration

Initial Setting Mode

Configuration

Initial Setting Mode

Calendar Expression indicates how the date will be formatted when using a Calendar Field

Configuration

Initial Setting Mode

Configuration

Initial Setting Mode

Configuration

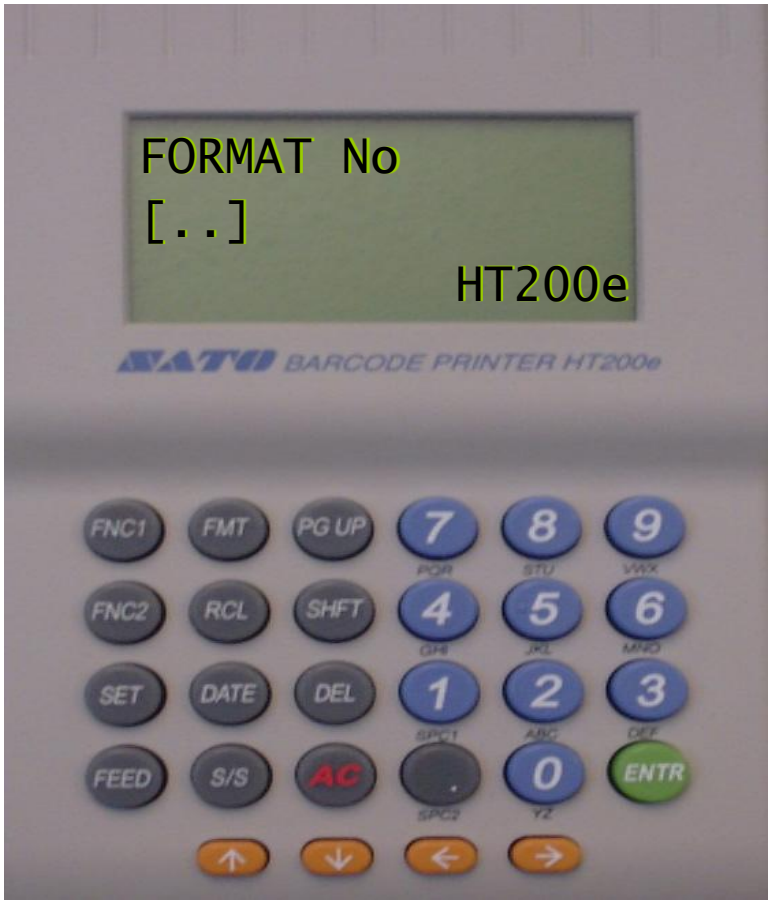
Initial Setting Mode

Configuration

Initial Setting Mode

Configuration

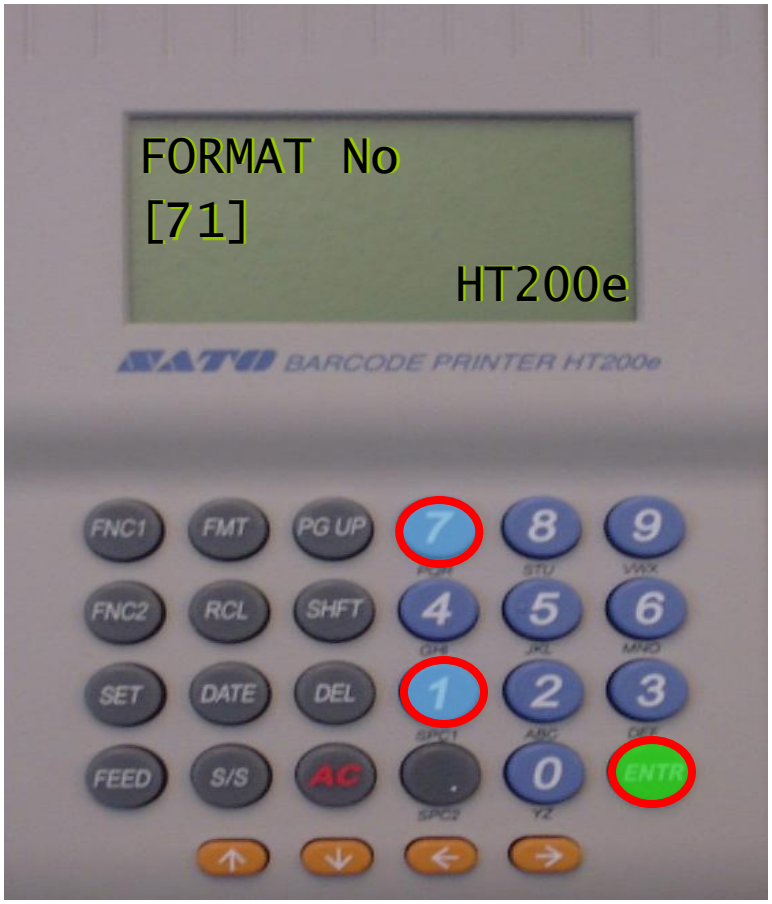
Initial Setting Mode



Upon cycling through the default settings, you will be placed back at the FORMAT prompt

Configuration

Hex Dump Mode



Enter format number **71** to place the HT200e in HEX DUMP mode.

This is used to verify datastream information when troubleshooting label format issues.

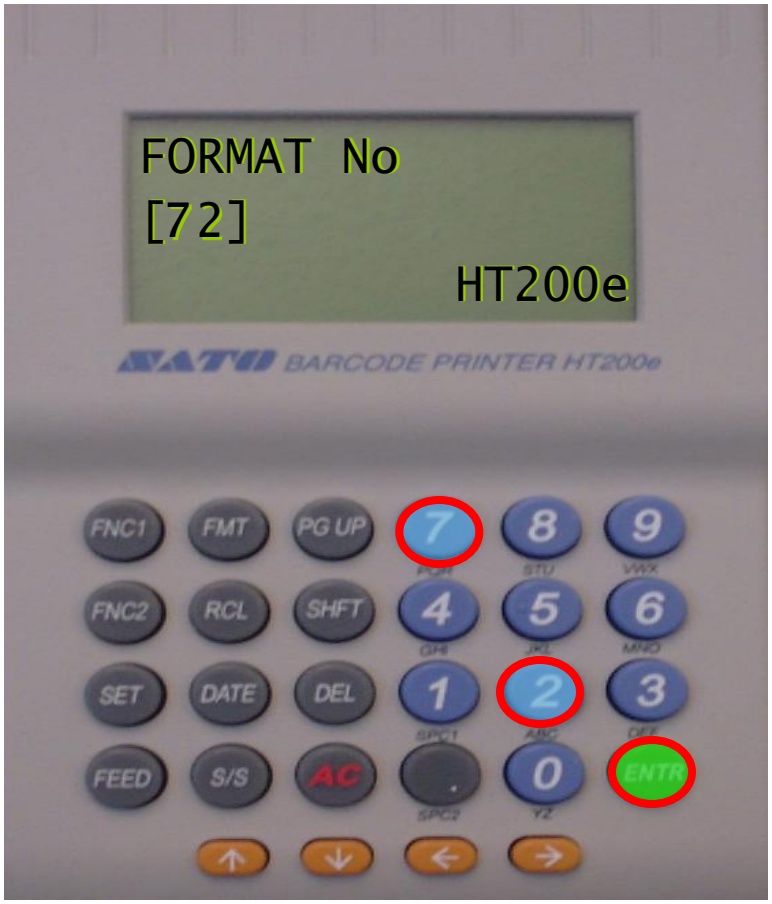
Configuration

Hex Dump Mode

This is a sample screen when in HEX DUMP mode.

Configuration

ASCII Dump Mode

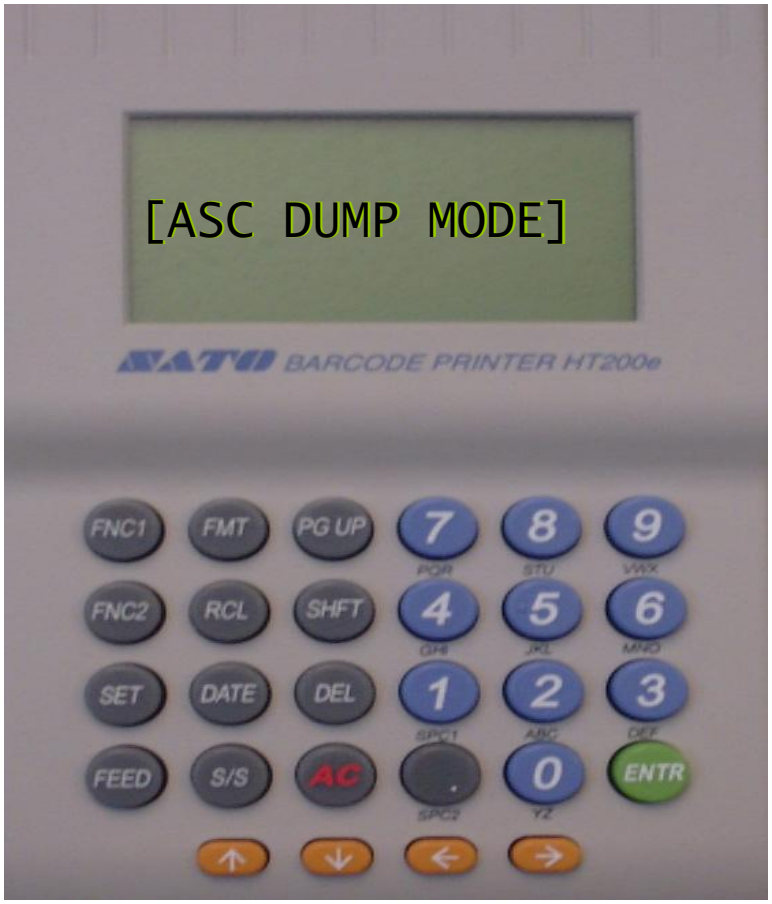


Enter format number **72** to place the HT200e in ASCII DUMP mode.

This is used to verify datastream information when troubleshooting label format issues.

Configuration

ASCII Dump Mode



This is a sample screen when in ACSII DUMP mode.

Configuration

Power ON + Key 3

To configure settings on the HT200e, hold down the number 3 on the numeric keypad while powering on the HT200e. Release at the audible beep.

The first prompt will be for the PRINT DARKNESS setting. Use the left/right arrows to select and the ENTR button to accept.

Configuration

Power ON + Key 3

Next, you can select the PRINT SPEED setting. Again use the left/right arrow to select the ENTR button to accept.

Configuration

Power ON + Key 3

Next is **AUTO POWER OFF** setting. This specifies whether or not the HT200e will automatically power off after ~5 minutes of inactivity.

Configuration

Power ON + Key 3

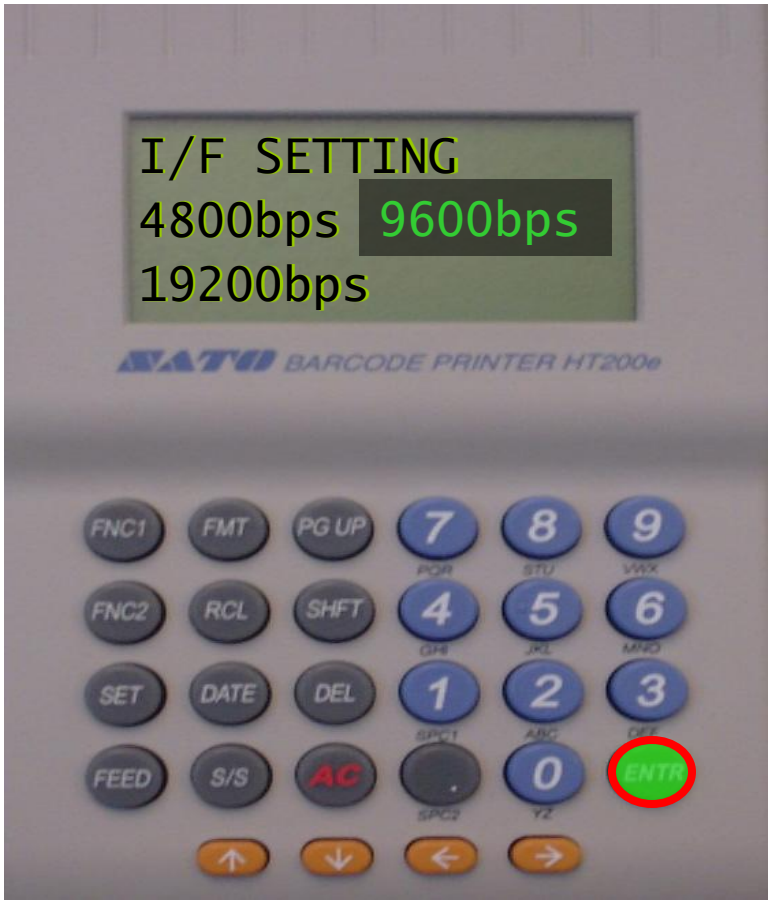
This indicates whether the HT200e starts up either in **MANUAL** or **ONLINE** when powered up

Manual indicates it is awaiting user input via the keypad

Online indicates it is awaiting communication from the RS232 port

Configuration

Power ON + Key 3



I/F SETTING is used for setting up the communication parameters for RS232 connection

Here you specify the BAUD rate

Configuration

Power ON + Key 3

DATA BIT SETTING is used for setting up the communication parameters for RS232 connection

Here you specify the DATA BITS used

Configuration

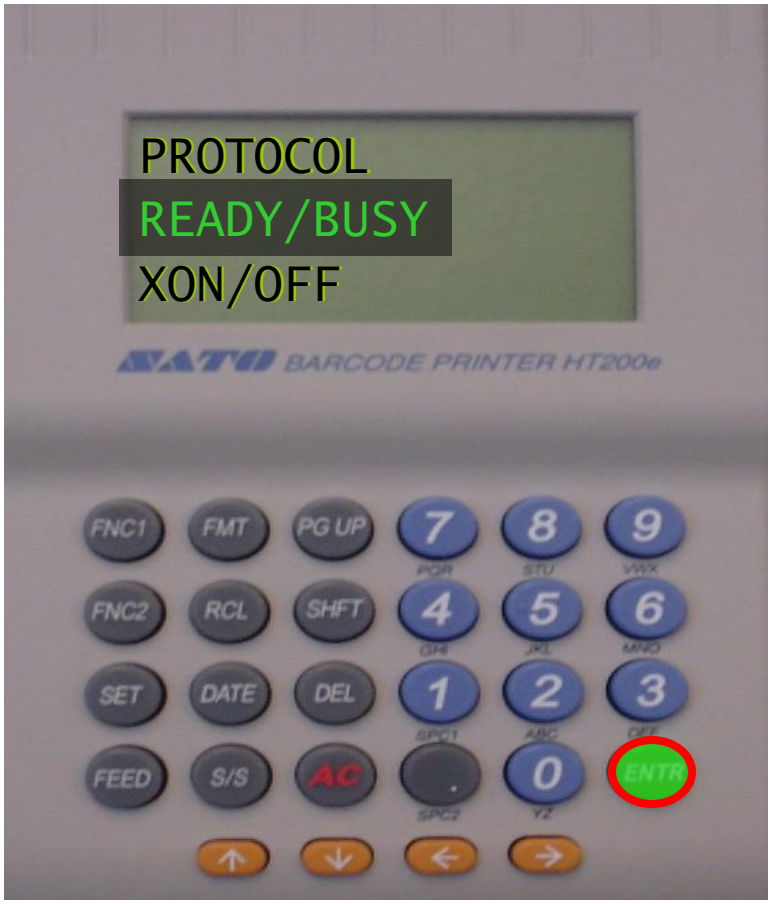
Power ON + Key 3

PARITY SETTING is used for setting up the communication parameters for RS232 connection

Here you specify the PARITY Setting

Configuration

Power ON + Key 3

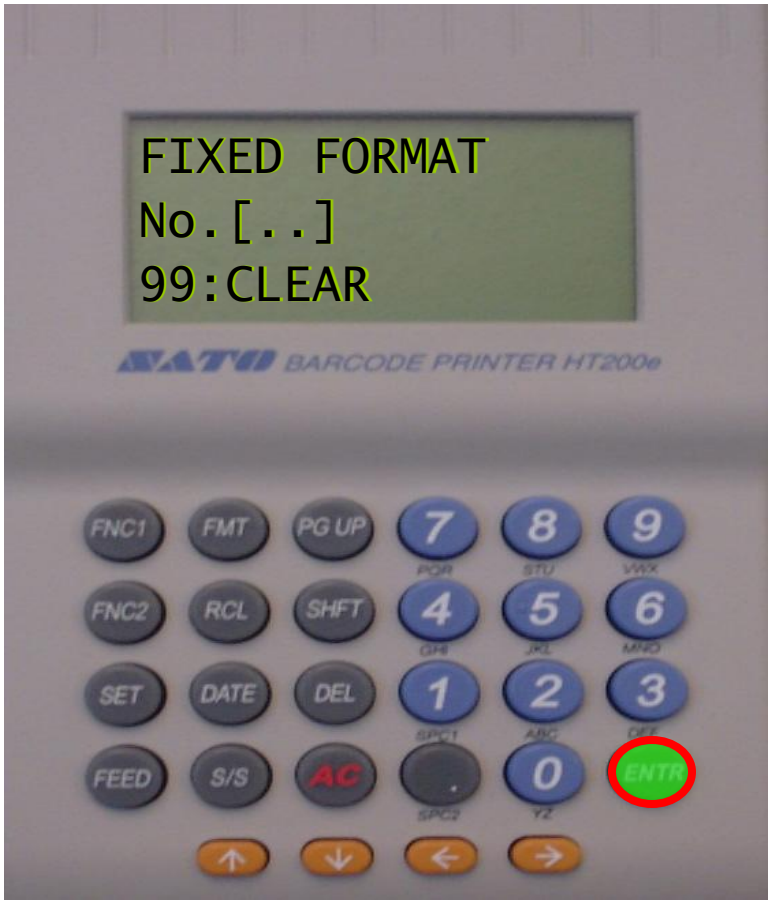


PROTOCOL is used for setting up the communication parameters for RS232 connection

Here you specify the Handshaking method

Configuration

Power ON + Key 3



FIXED FORMAT allows you to clear any defined format

Configuration

Power ON + Key 3

CALENDAR SETTING is used for setting up DATE and TIME stored on the HT200e

Use the LEFT/RIGHT arrows to navigate and the numeric keypad to enter the value

Configuration

Power ON + Key 3

HEAD CHECK is used for enabling the head check option to ensure the print head elements are working properly and to provide notification if there is a failure

Configuration

Power ON + Key 3

BEEP SETTING determines whether an audible tone is emitted when the keys are pressed

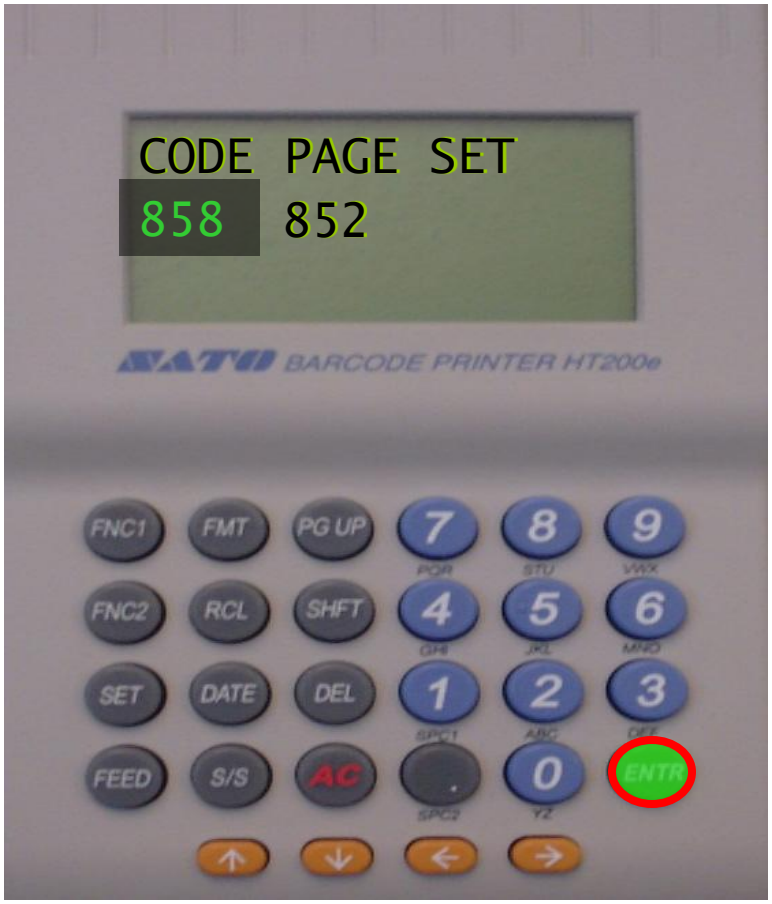
Configuration

Power ON + Key 3

PROTO CODE specifies the appropriate method the HT200e is expecting the datastream commands to be prefaced

Configuration

Power ON + Key 3



CODE PAGE is used to select the country code page (character table) used on the HT200e

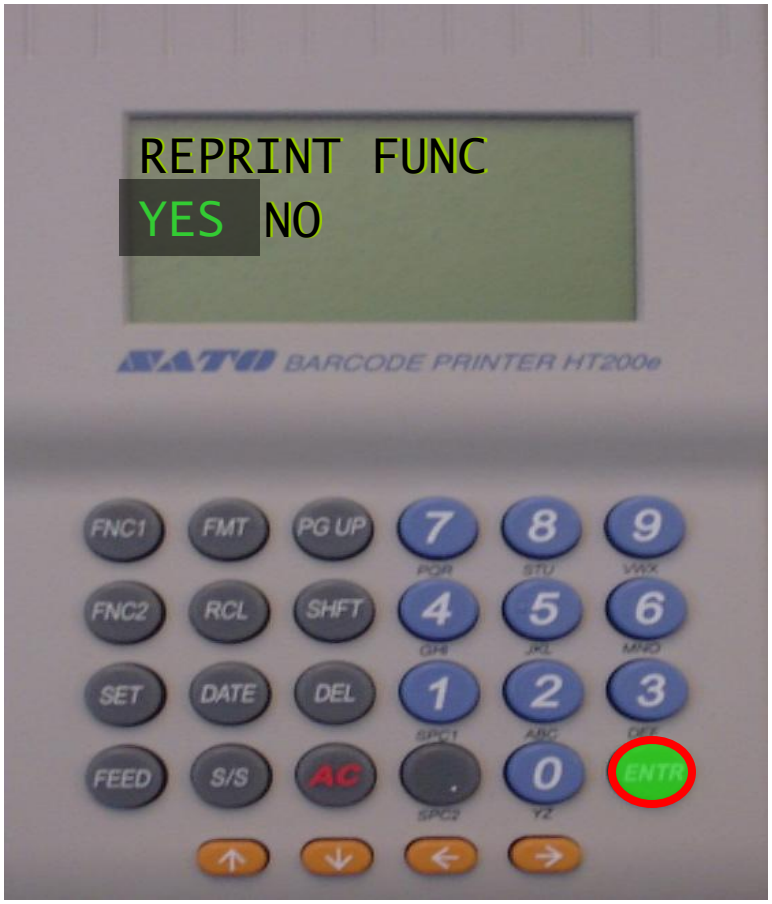
Configuration

Power ON + Key 3

EURO CALC specifies the conversion of the EURO to other currency marks (CM)

Configuration

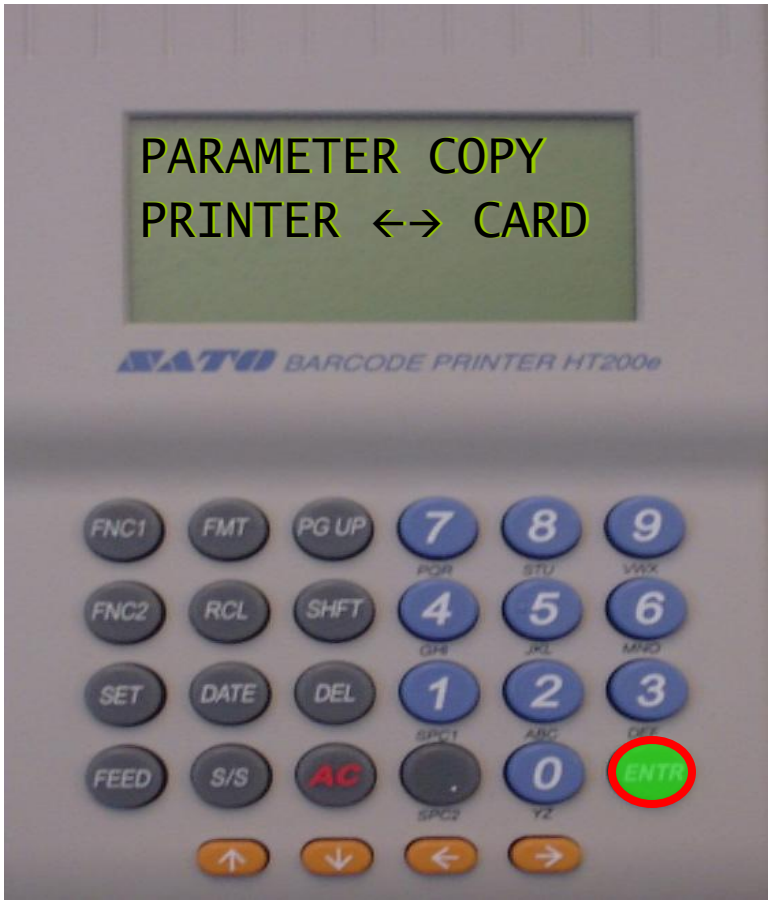
Power ON + Key 3



REPRINT FUNC is used for reprinting the last label via the S/S key

Configuration

Power ON + Key 6

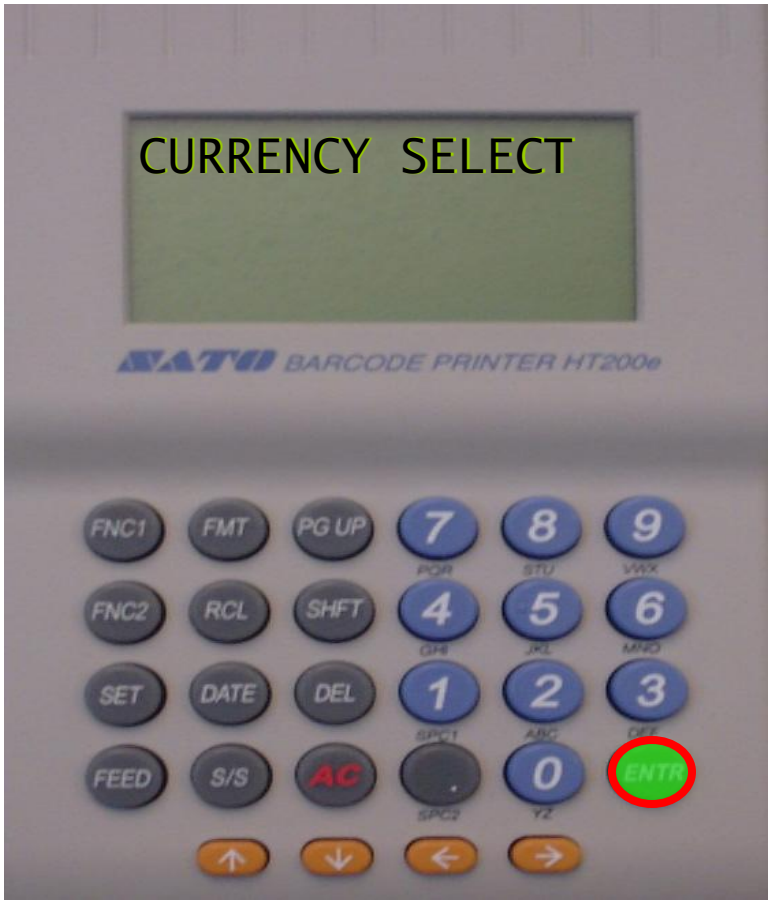


PARAMETER COPY is used for copying stored formats in the HT200e's non-volatile RAM to a option

It is strongly recommended that you use a memory option card to store any of the formats created

Configuration

Power ON + Key 6

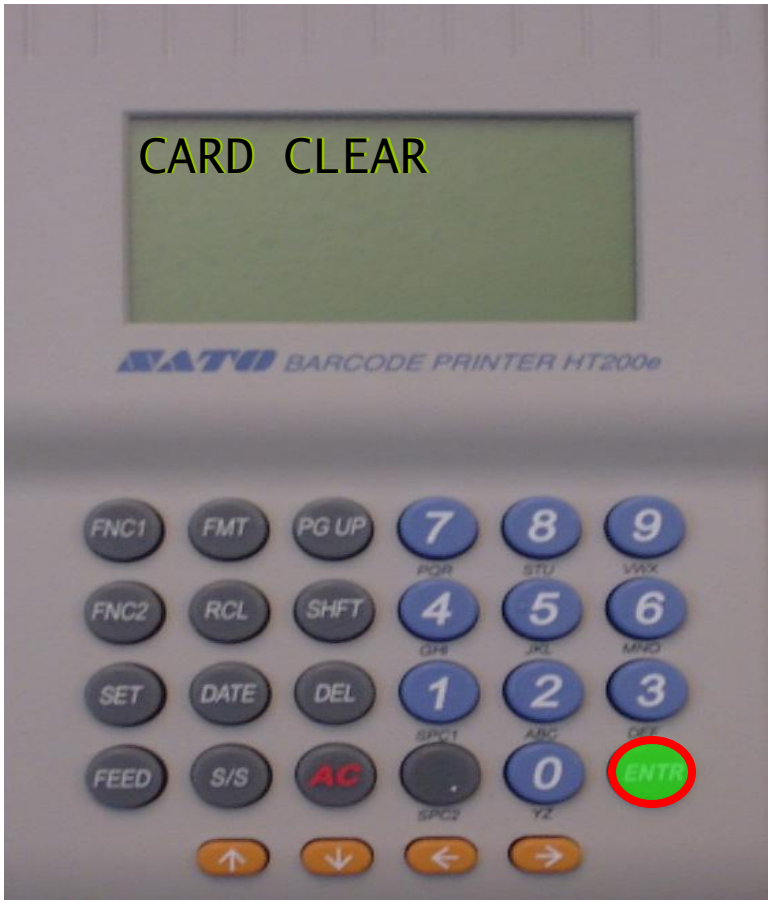


CURRENCY SELECT is used for selecting the currency mark for price fields

You will need to set this to $USD

Configuration

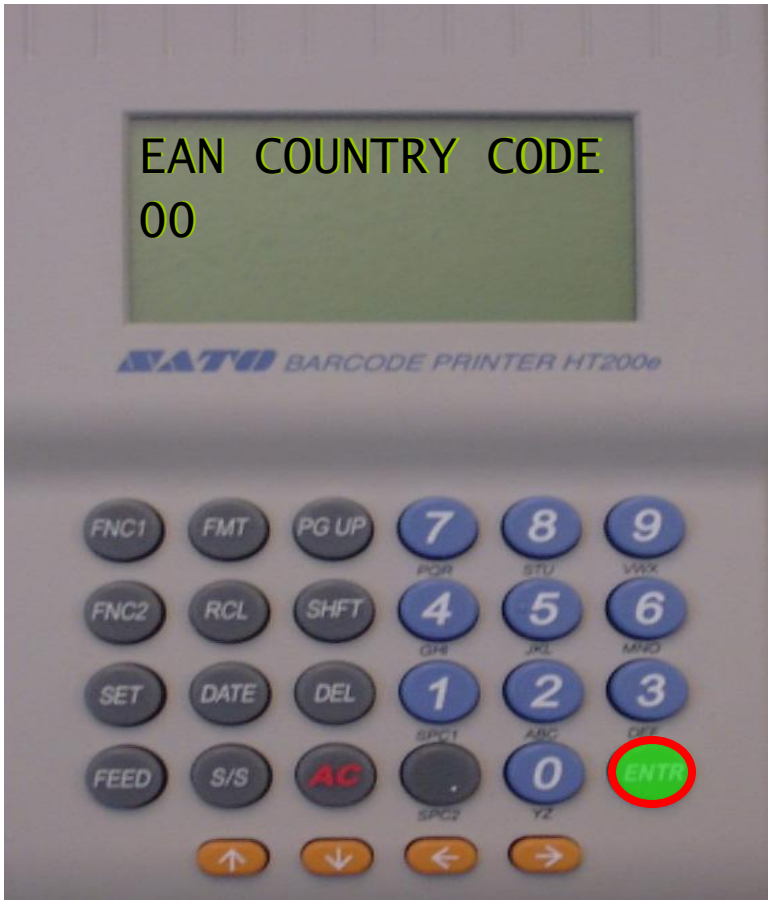
Power ON + Key 6



CARD CLEAR is used for erasing/formatting the memory option card in the HT200e

Configuration

Power ON + Key 6

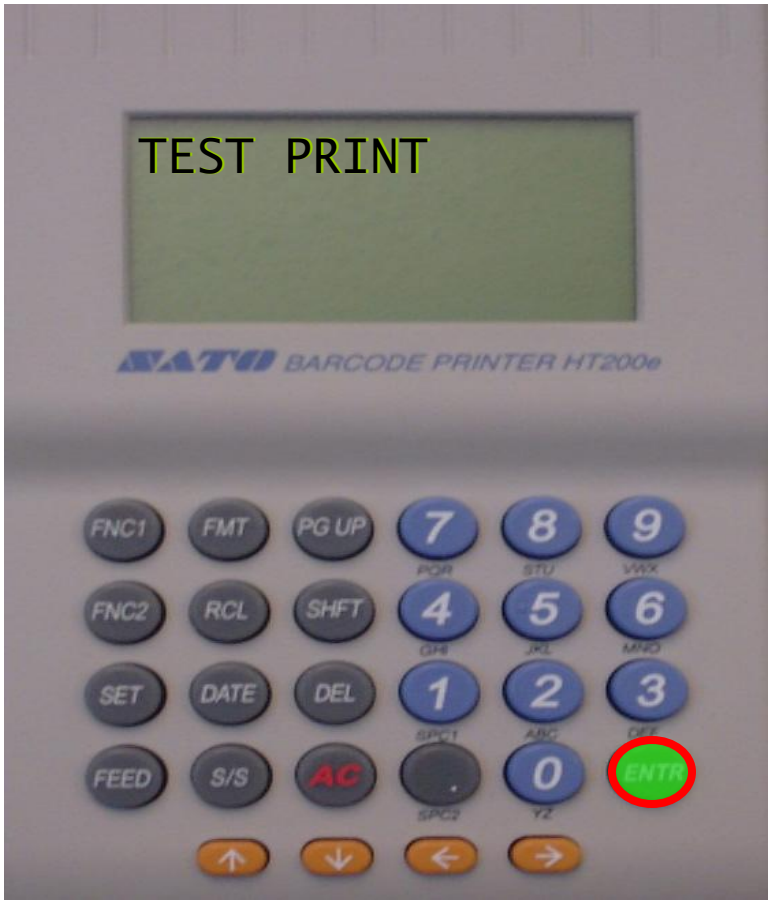


EAN COUNTRY CODE is used for selecting the appropriate EAN code for the country

You will need to change this to **00** for the U.S.A

Configuration

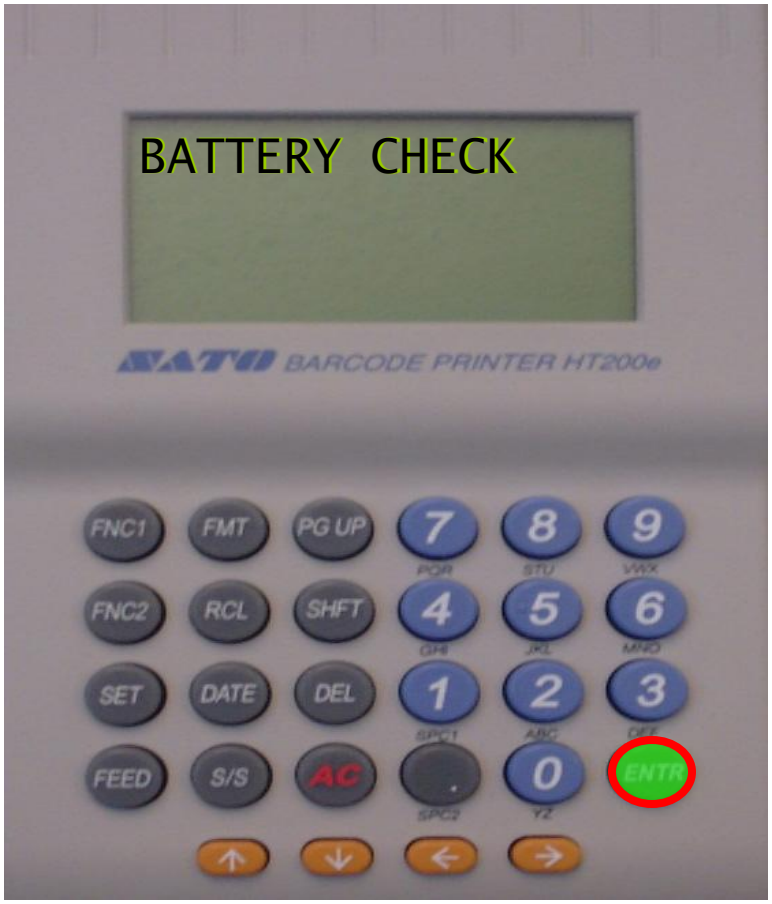
Power ON + Key 9



TEST PRINT enables you to print test labels to ensure the HT200e is working and printing correctly

Configuration

Power ON + Key 9



BATTERY CHECK is used to display the current battery life when used in conjunction with the optional battery pack

NOTE: When using AC power, the display will always indicate full – this is because you are plugged into an AC outlet

DCS & Labeling Worldwide

Programming the HT200*e*

Programming

Formatting Explained

The HT200*e* FORMAT MODE allows the user to print labels using formats residing in internal memory. There are 29 Fixed formats preset in the HT200*e* and an additional 10 Formats can be user defined.

Each of the user defined formats can contain up to 30 fields per format.

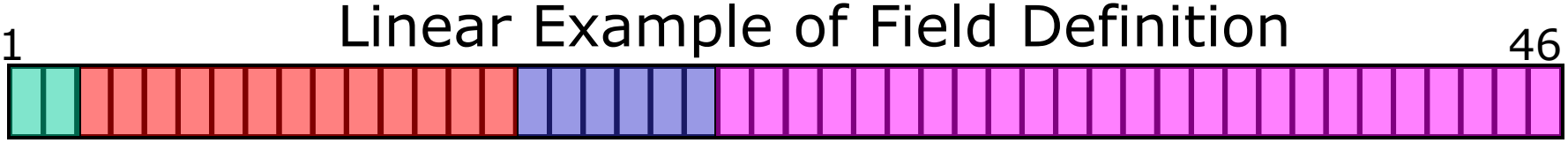
Programming

Formatting Explained

- Ensure you are familiar with all the printer controls and user functions
- A **FORMAT** is constructed of a number of **FIELDS**
- Each **FIELD** is set up by a series of numbers called **PARAMETERS**, which are a basic type of programming language. The field description consists of a string of 46 numeric characters
- The HT200*e* does not use the SATO Barcode Printer Language – you must use the HT200*e* commands

Programming

Field Parameters



Positions 1-2	**Field Type**: Describes the type of data used by the field.
Positions 3-15	**Font & Barcode**: Describes the font or barcode symbology to be used.
Positions 16-21	**Input Check Designation**: Describes the data input restrictions for the field.
Positions 22-46	**Copy Setting**: Describes the copy functions used by the field

Programming

Field Types

Positions 1-2 of FIELD parameters

Field Designation		Field Type	Description
1	0	Normal	With X1, X2, X3 or OCR-B font
1	1	Table Data	With X1, X2, X3 or OCR-B font
1	2	Sequential	With X1, X2, X3 or OCR-B font
2	0	Price	With X1, X2, X3 or Price font
2	1	Price	With POP1, POP2, POP3 font
3	0	Calendar	Date with X2 or X3 font
3	1	Calendar	Time with X2 or X3 font
7	0	Bar Code	Without Human Readable Interpretation
7	1	Bar Code	With Human Readable Interpretation
0	0	Quantity	Print Quantity 001-099

Programming

Font Types

Font Type	Size horizontal x vertical	Character range	Printed sample
X1 fonts	20 x 50 dots	Value (0–9), symbols English (upper, lowercase) Currency mark	£123 ABCabc *+
X2 fonts	8 x 20 dots	Value (0–9), symbols English (upper, lowercase) Currency mark	£123 ABC *+
X3 fonts	13 x 21 dots	Value (0–9), symbols English (upper, lowercase) Currency mark	£123 ABC *+
OCR-B fonts	20 x 24 dots	Value (0–9), symbols English (upper, lowercase)	12345 ABCDE
Price fonts	16 x 24 dots	Value (0–9) comma, period, Currency mark	£12,345,678.90
POP1 fonts	28 x 48 dots	Value (0–9) comma, period, Currency mark	£12,345,678.90
POP2 fonts	48 x 68 dots	Value (0–9) comma, period, Currency mark	£12,345
POP3 fonts	26 x 56 dots	Value (0–9) comma, period, Currency mark	£12,345,678.90

Programming

Field Types

When a **Normal** or **Table** Field is designated (digits 1-2=**10** or **11**), the remaining digit positions have the following designations as shown on the following slides...

Programming

Field Types

When a **Sequential** Field is designated (digits 1-2=**12**), the remaining digit positions have the following designations as shown on the following slides...

Programming

Field Types

When a **Normal** or **POP Price** Field is designated (digits 1-2=**20** or **21**), the remaining digit positions have the following designations as shown on the following slides...

Programming

Field Types

When a **Calendar** Field is designated (digits 1-2=**30** or **31**), the remaining digit positions have the following designations as shown on the following slides...

Programming

Field Types

When a **Barcode** Field is designated (digits 1-2=**70** or **71**), the remaining digit positions have the following designations as shown on the following slides...

Programming

Field Types

When a **Print Quantity** Field is designated (digits 1-2= **00**) the remaining digit positions have the following designations as shown on the following slides...

NOTE: This is a 30 digit field only

Programming

Copy Setting

The **COPY** feature allows you to enter data in current field and use it in others fields.

Before the Copy feature is used, all the fields referenced to contain the data must be created.

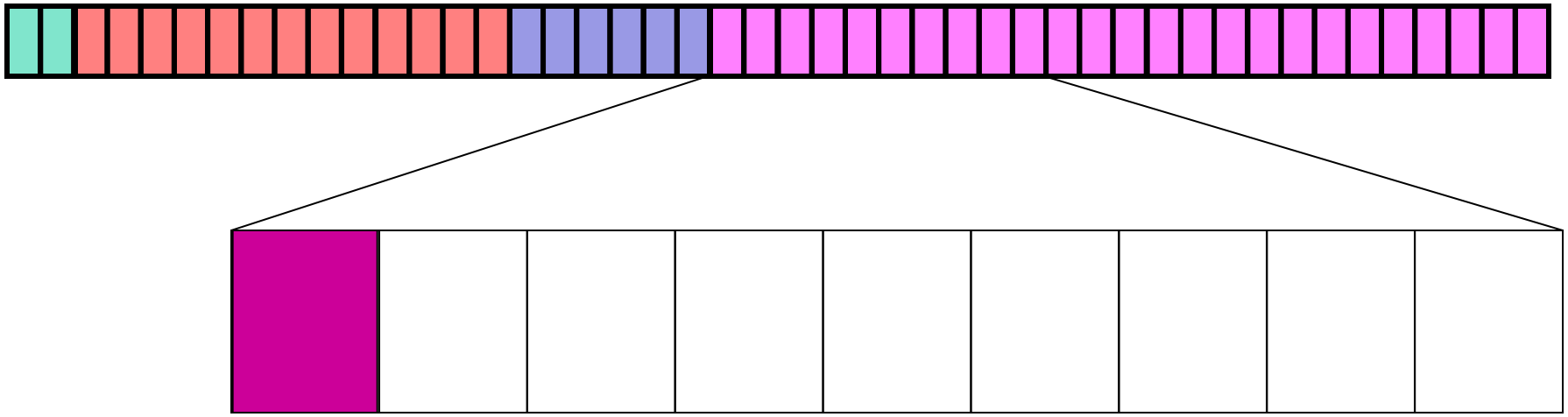
Programming

Copy Setting

Digit Positions	Designation	Description
22	Copy Action	0=No Copy 1=Send Data 2=Receive Data
23-24	Copy 1-1	Location of first character to be sent, 01-32
25-26	Copy 1-2	Number of characters to be sent, 01-32
27-28	Copy 1-3	Receiving field number, 01-29
29-30	Copy 1-4	Location of first copied character in new field

Programming

Copy Sections

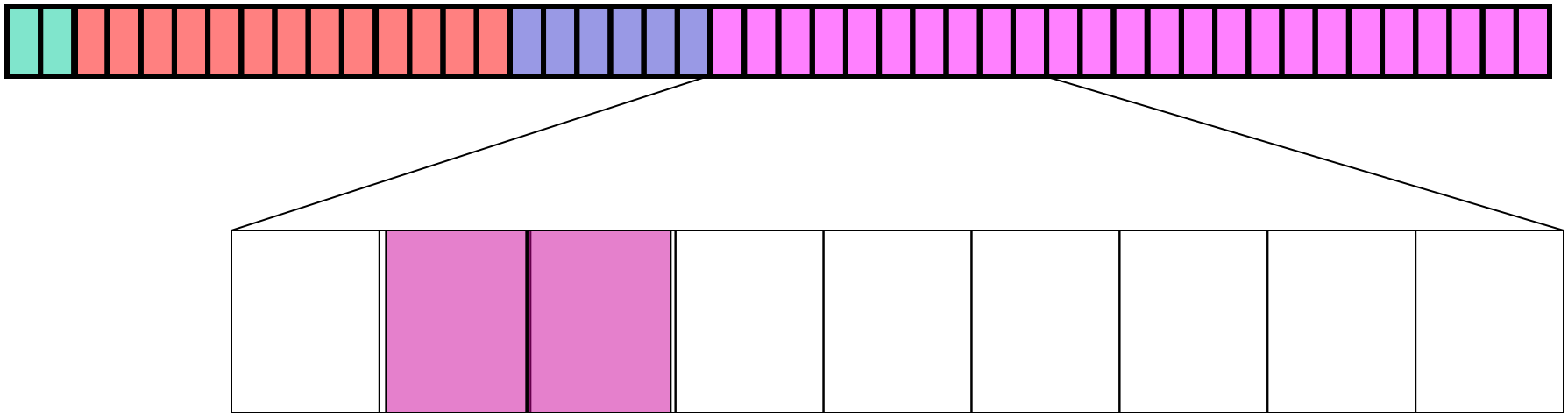


22: Denotes copy function

0=None 1=Send 2=Receive

Programming

Copy Sections

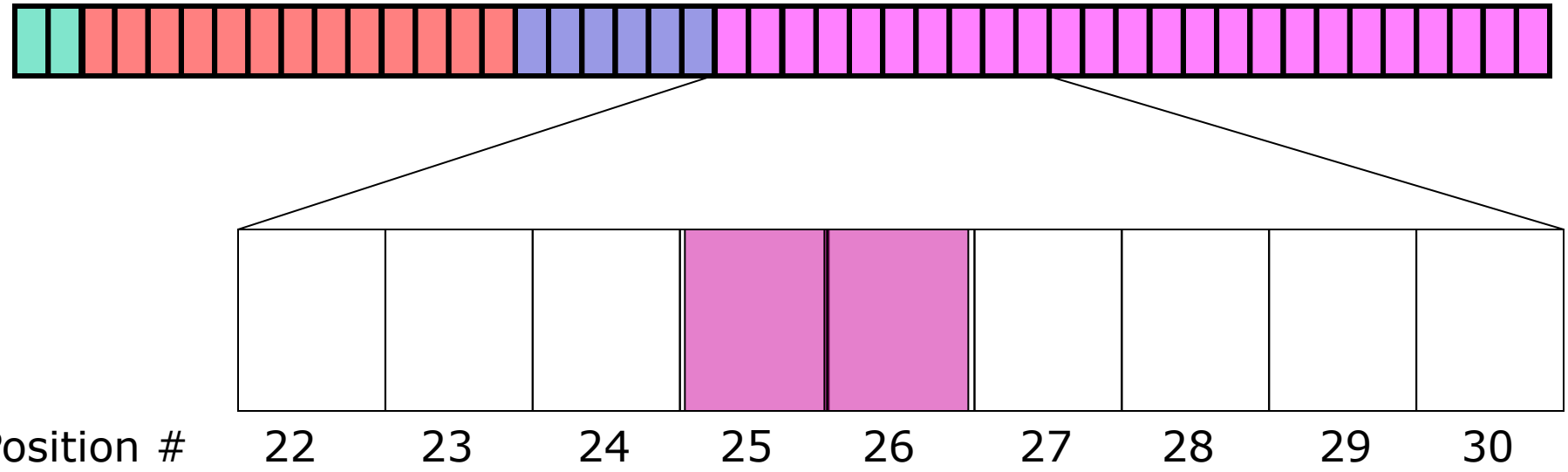


23-24 Copy source Digit position

Specifies the start location in the data field where to begin copying characters from

Programming

Copy Sections

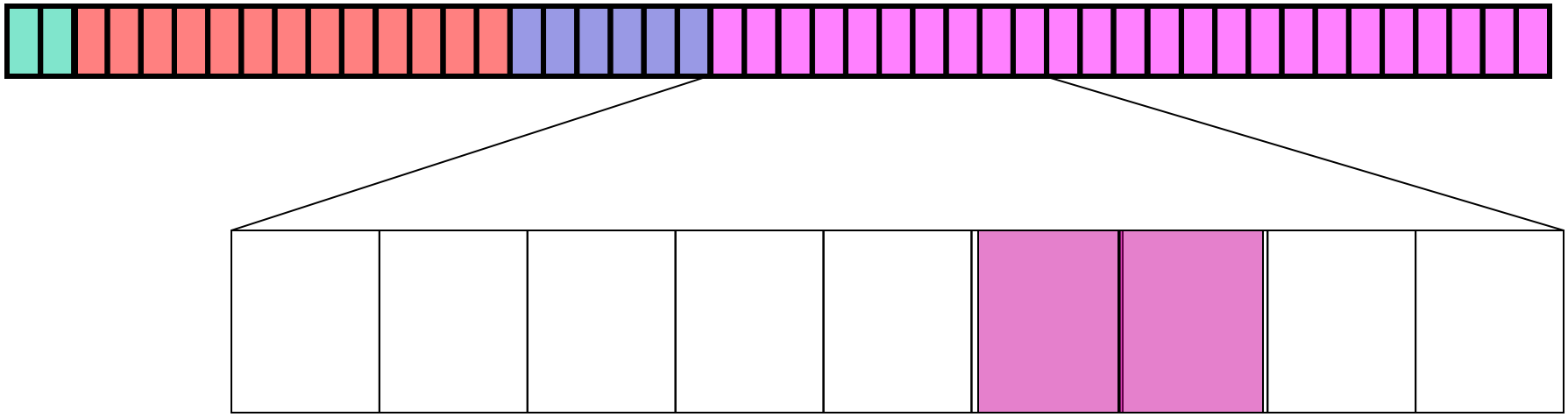


25-26 Copy number of Digits

Specifies the number of characters of the data field to copy

Programming

Copy Sections

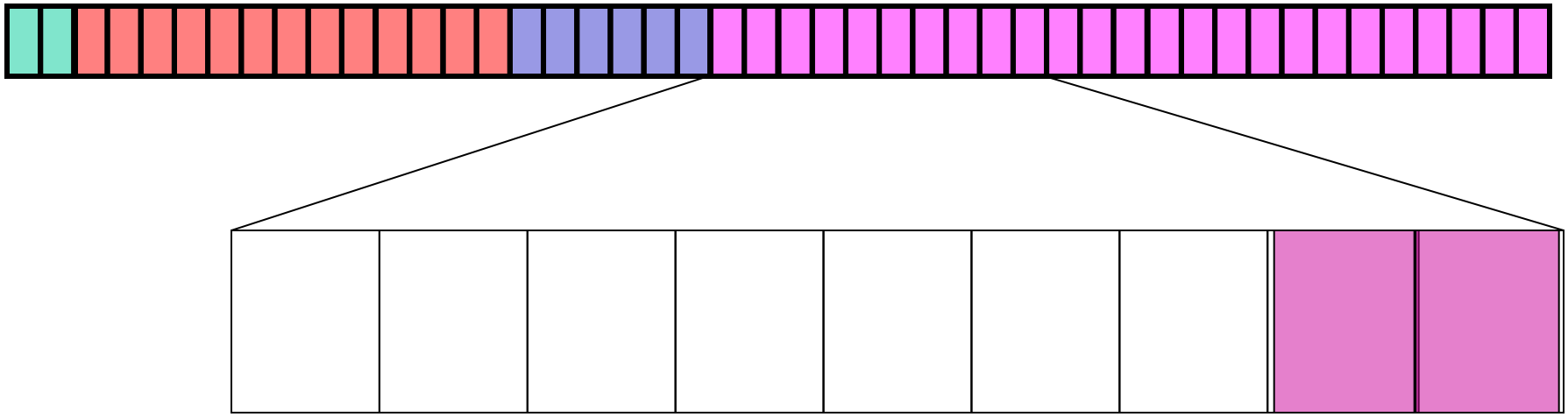


27-28 Copy destination field

Specifies the field number where the data is going to be copied to

Programming

Copy Sections

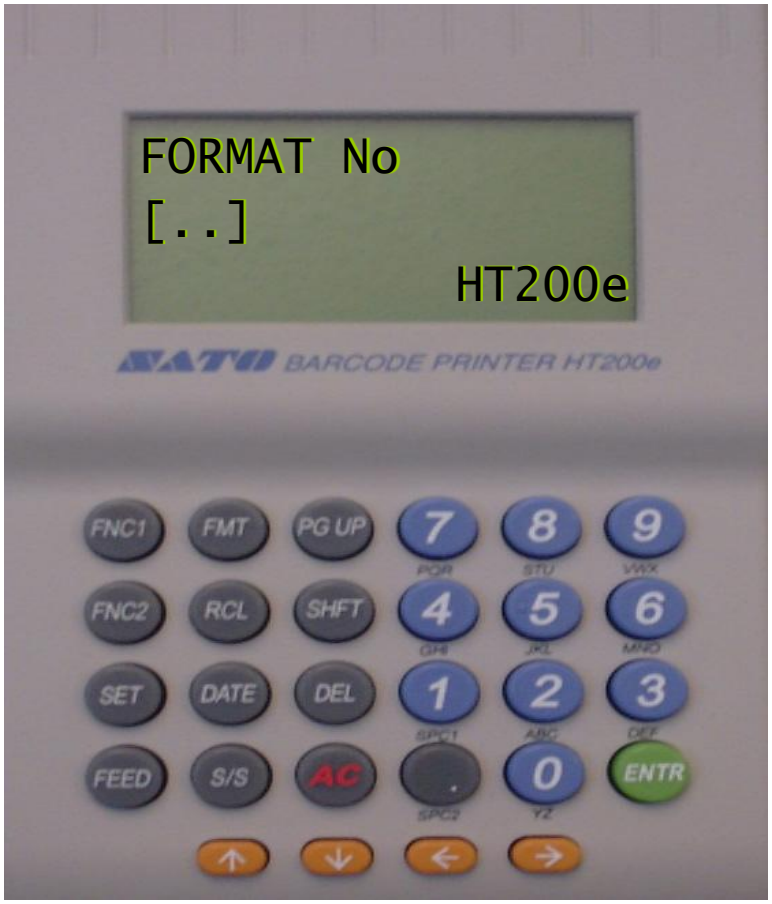


29,30 Copy destination Digit position

Specifies which position in the destination data field to insert the number of copied characters

Programming

Register Mode

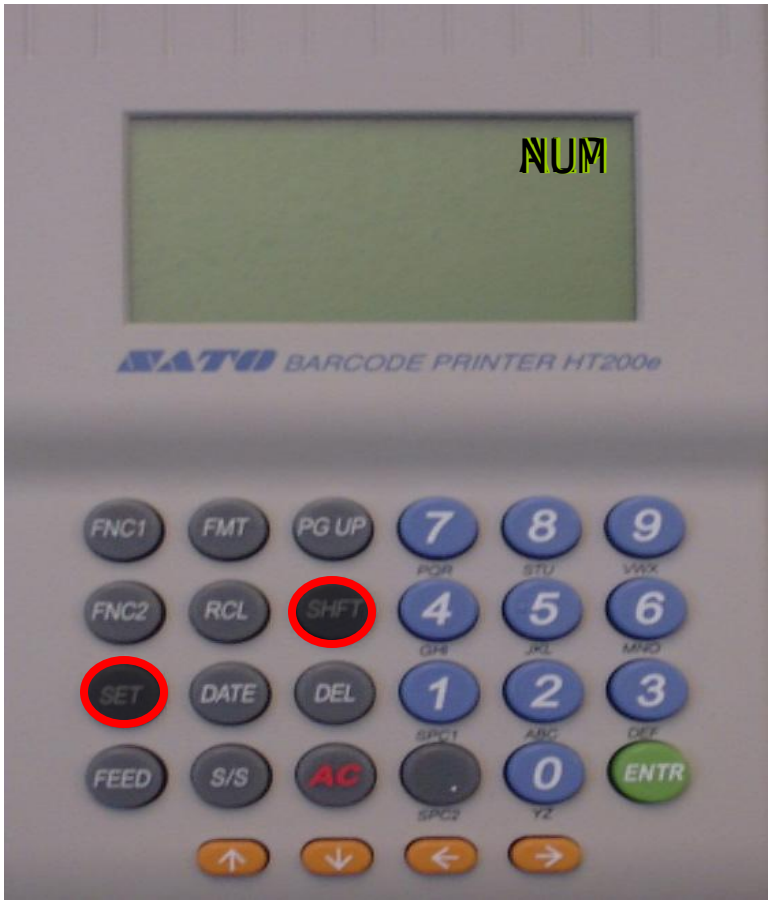


The **Register Mode** is used to design and store a format in the printer's non-volitile RAM. This mode is used to enter a format using the keypad & LCD.

Alphanumeric data is entered by using the keypad. Keys "2" to "0" also have an Alpha value.

Programming

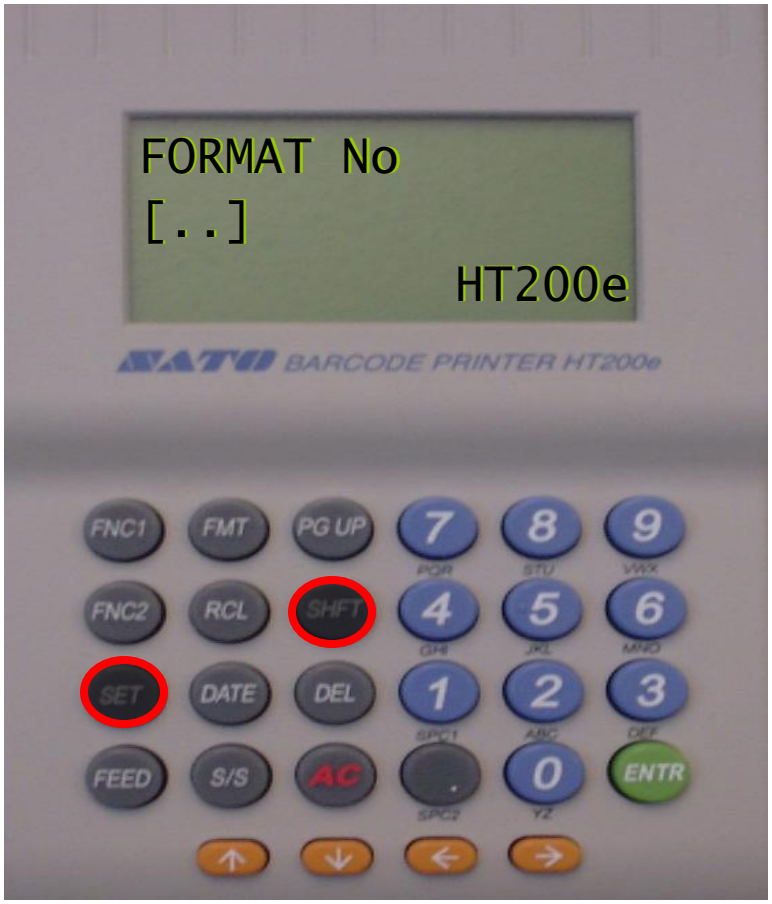
Register Mode



- to change to the Alpha Mode, press the SET key for UPPER case and the SHFT key for lower case alphas
- the message “ALP” will be displayed in the top right corner
- each time a key is pressed a different letter will be displayed
- to return to numeric, press SHFT or SET again

Programming

Register Mode

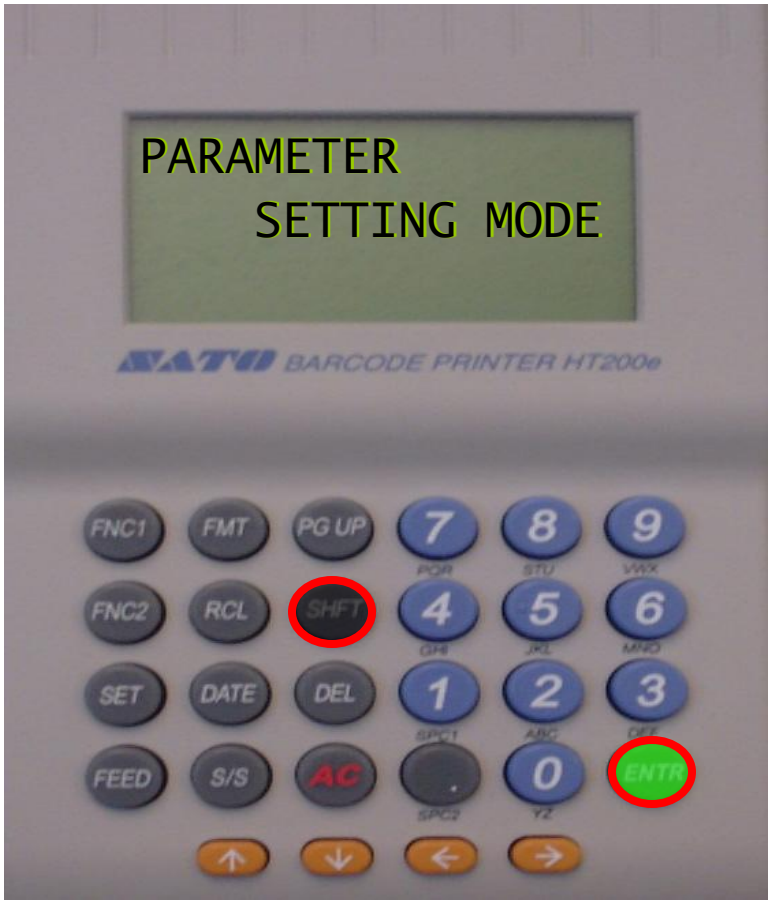


The initial display prompts you for the format number.

To bring up the **PARAMETER SETTING MODE** display, press **SHFT** key then the **SET** key.

Programming

Register Mode

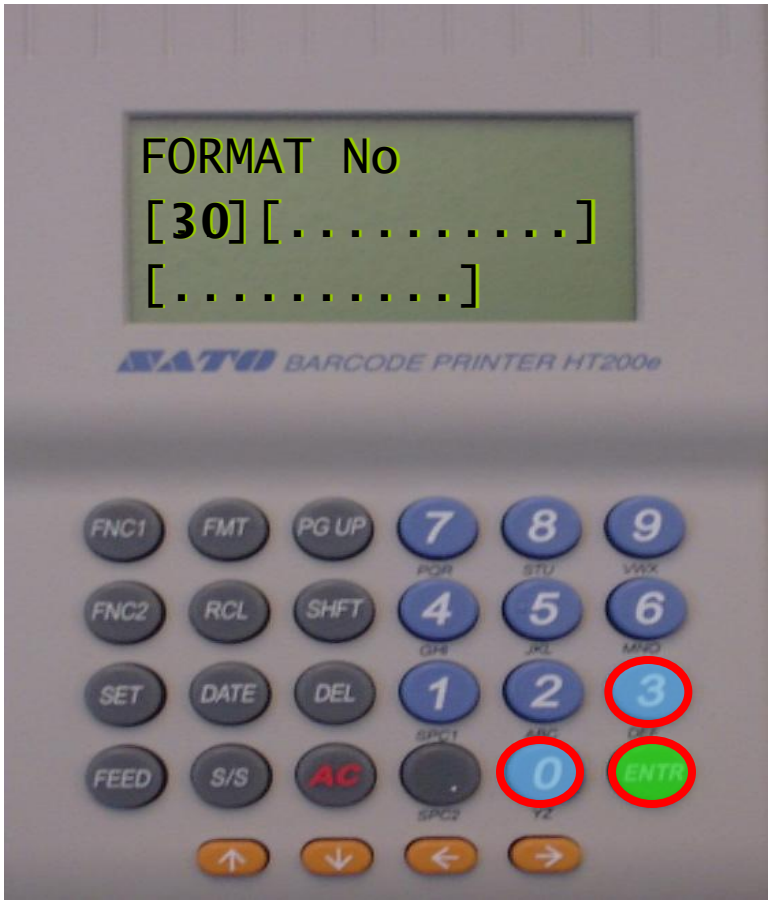


Once in **PARAMETER SETTING MODE**, display, press **ENTR** key to enter a new or modify existing formats.

To return to the initial prompt, press the **SHFT** key.

Programming

Register Mode



Formats 01-29 are stored in Flash ROM and cannot be used. Format locations 30-39 can be used to store formats in RAM.

1. Enter the Format number to be stored using the numeric keypad.
2. Press **ENTR**

Note: Pressing the **SHFT** key will tab to next field and allow you to enter Format/Label name

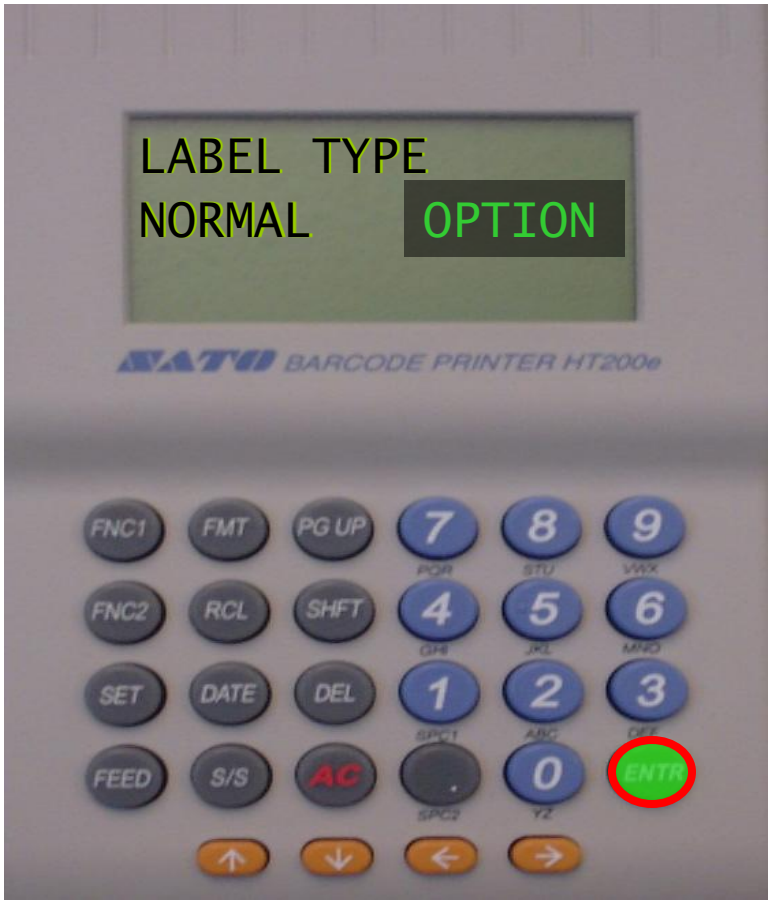
Programming

Register Mode

Use the cursor keys to select **SET LABEL SIZE** and press the **ENTR** key

Programming

Register Mode



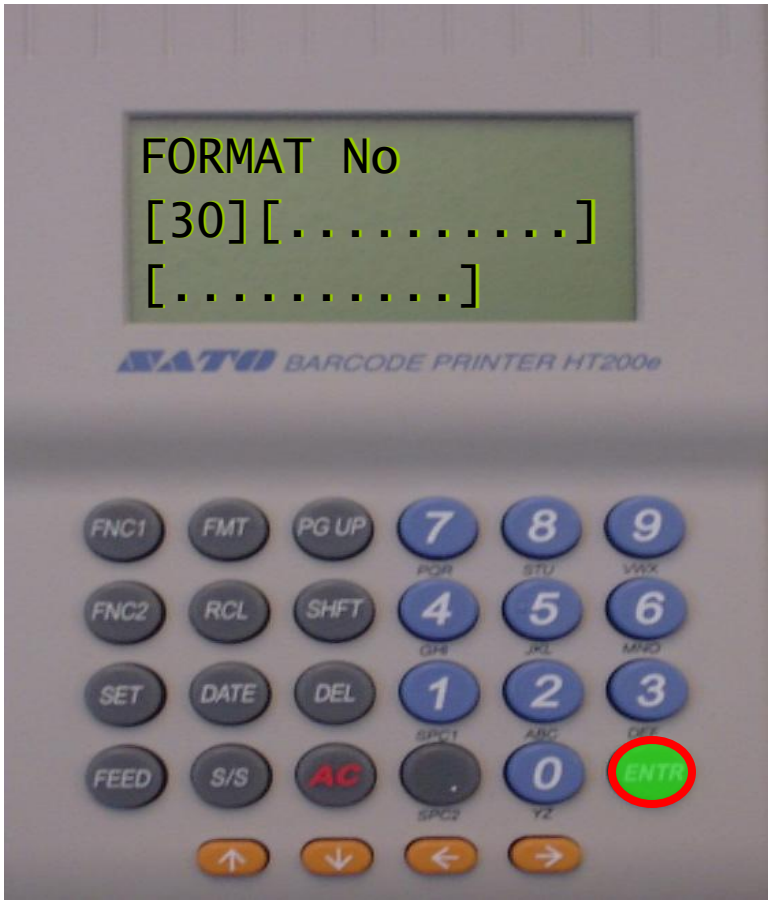
Selecting **NORMAL** will automatically size the label for the data entered.

If **OPTION** is selected, you are given the choice of a 16mm, 20mm, 25mm or 38mm label pitch. Use the cursor keys to select appropriate size.

Press the **ENTR** key

Programming

Register Mode

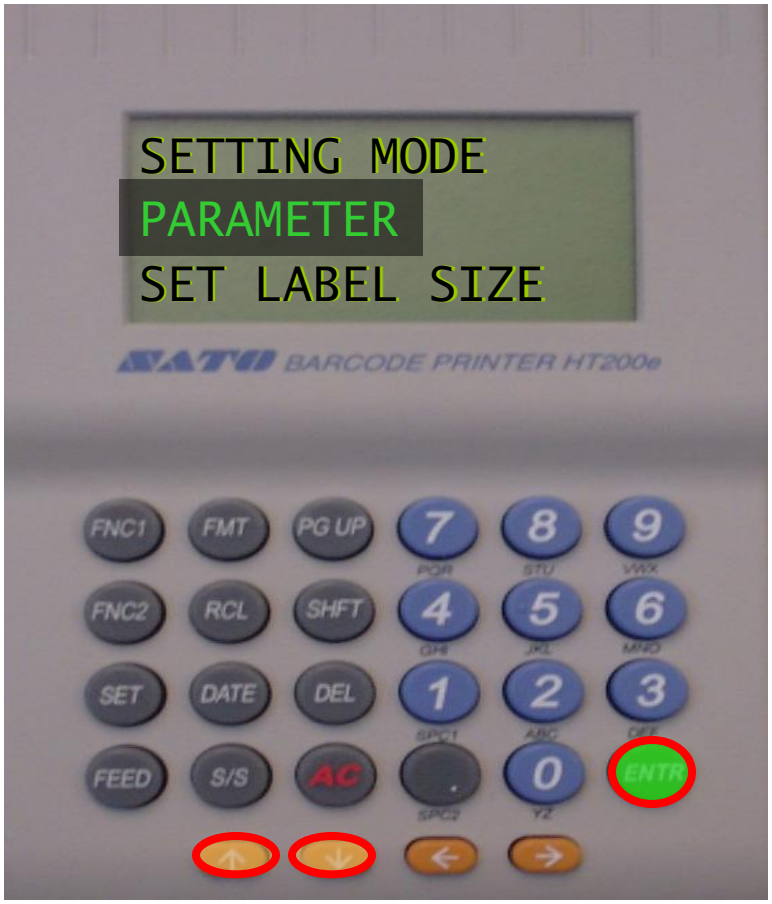


Enter the format number to be stored using the numeric keypad to enter into **SETTING MODE**.

Press **ENTR** key

Programming

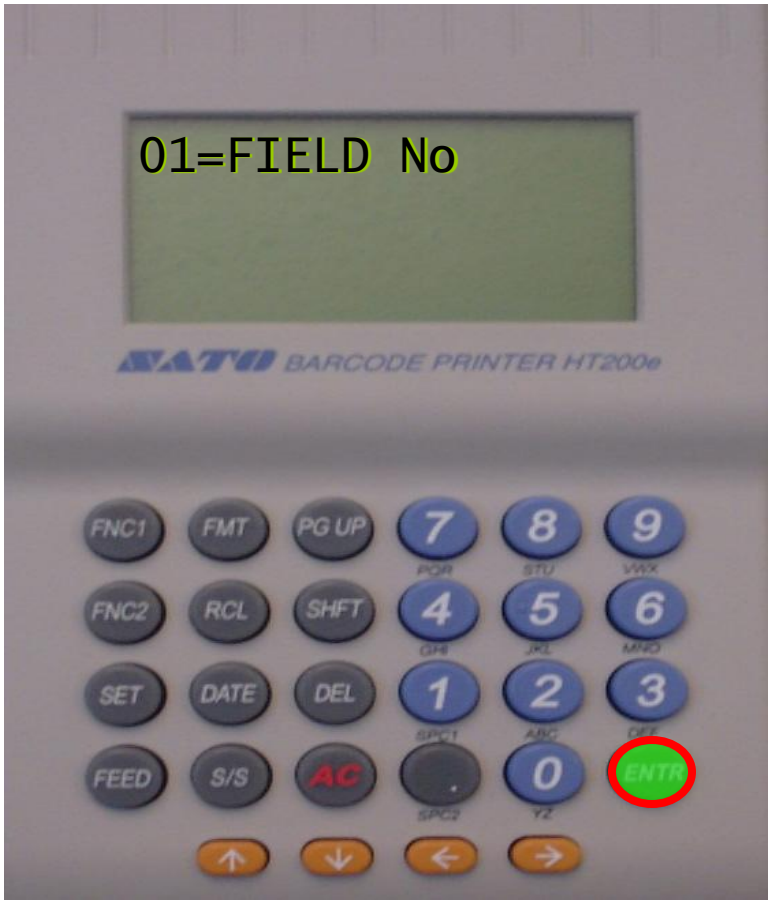
Register Mode



Use the cursor keys to select **PARAMETER** and press the **ENTR** key to begin creating a label format.

Programming

Register Mode



The **Field Type** number is displayed in the 2 upper left digit positions of the display.

1. Enter the Field Type, i.e. 01 specifies the NORMAL field setting.
2. Pressing **ENTR** brings up the item Description display

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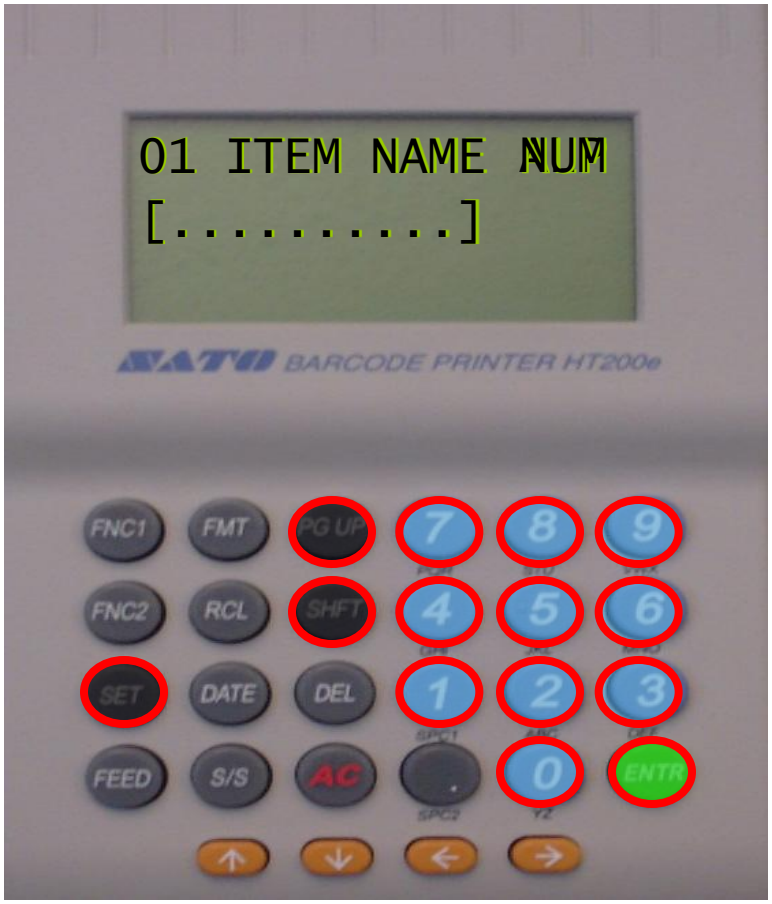
Programming

Register Mode



Enter a descriptive name for the field. Up to 10 characters may be entered.

1. Use the Numeric keypad for numerics
2. Press SHFT once to enter lower case alpha symbols. An ALP designator will appear in the upper right corner
3. Press SHFT again to enter UPPER case alpha characters;use SET to toggle to NUM
4. In alpha mode, pressing SPC1/SPC2 keys will scroll through special characters
5. To clear the input and start over, press the PGUP and ENTR
6. To accept the input, press the ENTR key

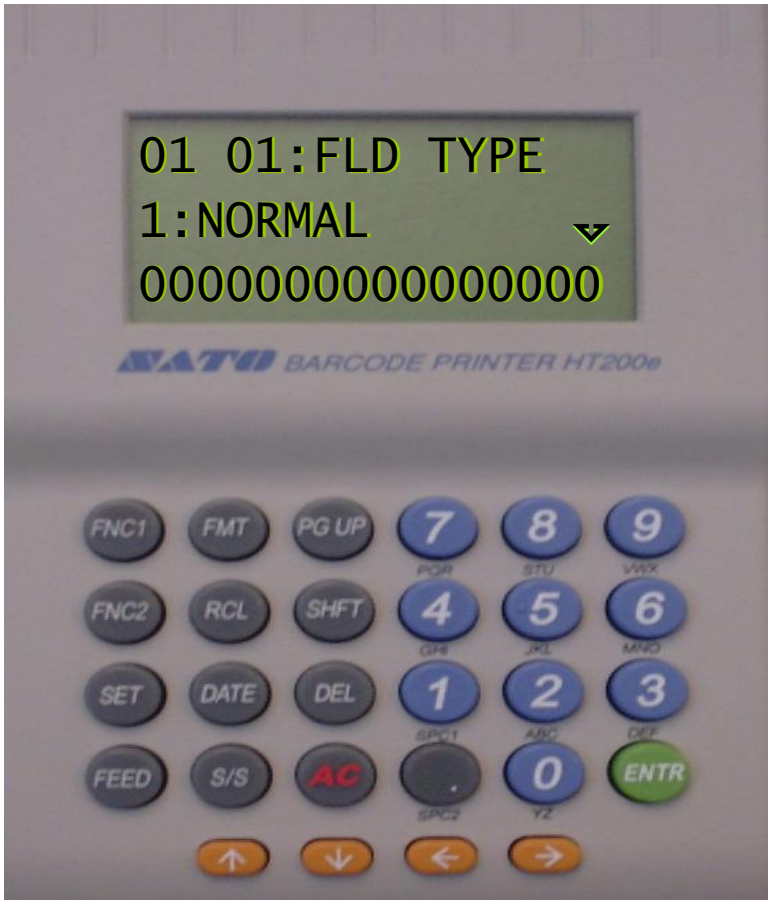
Programming

Register Mode

After entering the description of the field, press **ENTR** key to define the field parameters

Programming

Register Mode

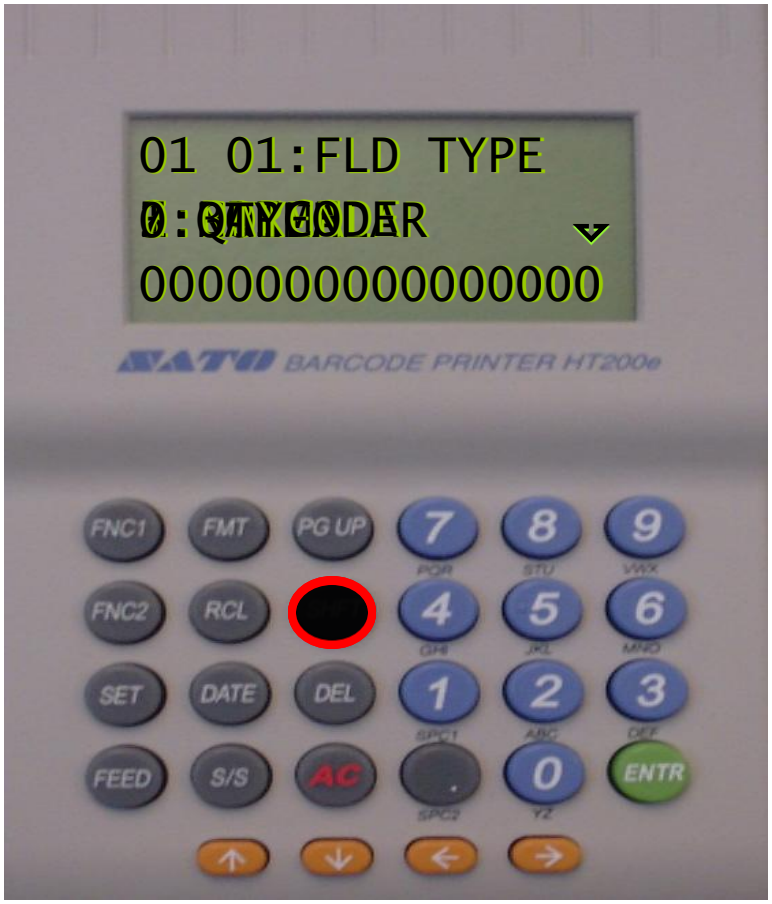


The top line displays the Field number and the digit position of the cursor along with a description of the setting represented by that digit position.

Line 2 indicates the possible setting for the digit corresponding to the cursor position on Line 3.

Programming

Register Mode

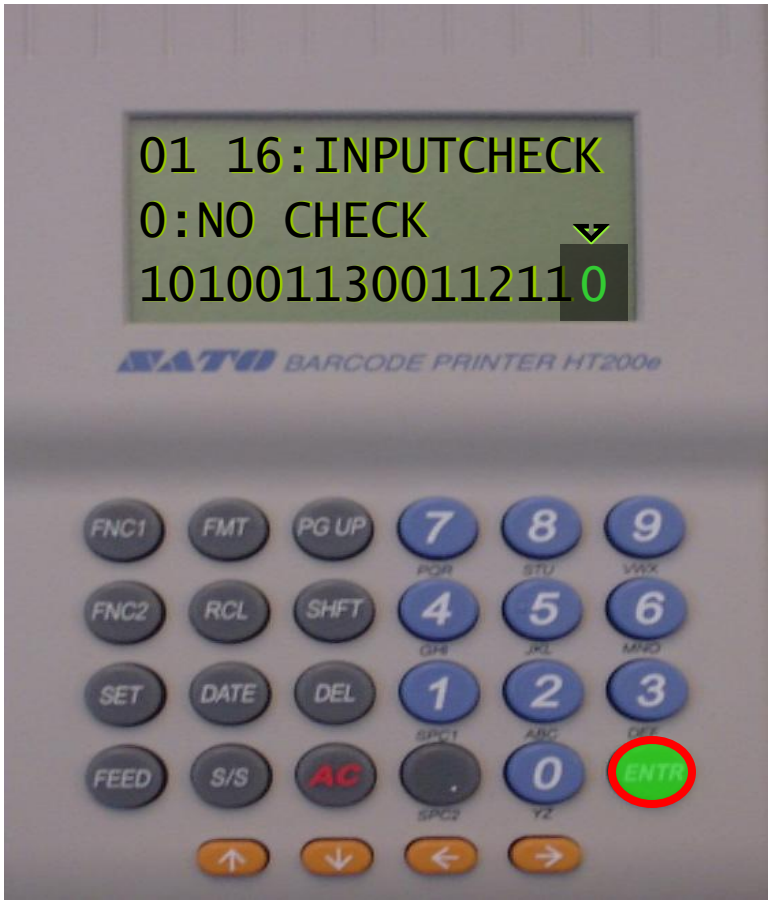


Line 3 is the descriptive string for the field.

1. If an inverted triangle appears in the last column of Line 2, it specifies the availability of help for specifying the settings for that particular input. You can scroll through the help display using the **SHFT** key

Programming

Register Mode



2. When the desired field type is entered, the cursor advances to the next applicable digit
3. Once you have input all of the appropriate settings, press ENTR
4. If a required digit position is not correctly filled, the cursor will return to that field position
5. If all the positions are correctly filled, pressing ENTR brings up the screen to input any data required

Programming

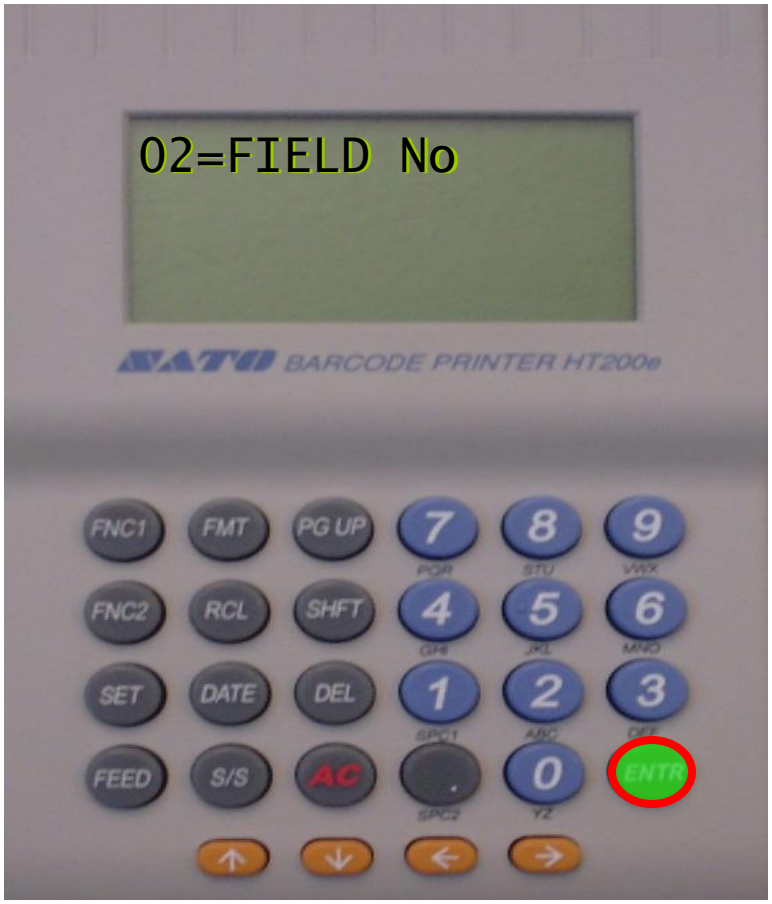
Register Mode

The data field corresponds to the character count input specified in the field description string.

1. Enter the Fixed Data
2. For any “copied” data, use the **S/S** key to null out field data
3. Press the **ENTR** key to advance to next field format

Programming

Register Mode



After the field has been defined, the next **FIELD No** will be displayed. Each new field is defined in the same manner as the previous field(s).

Press the **ENTR** to create next field

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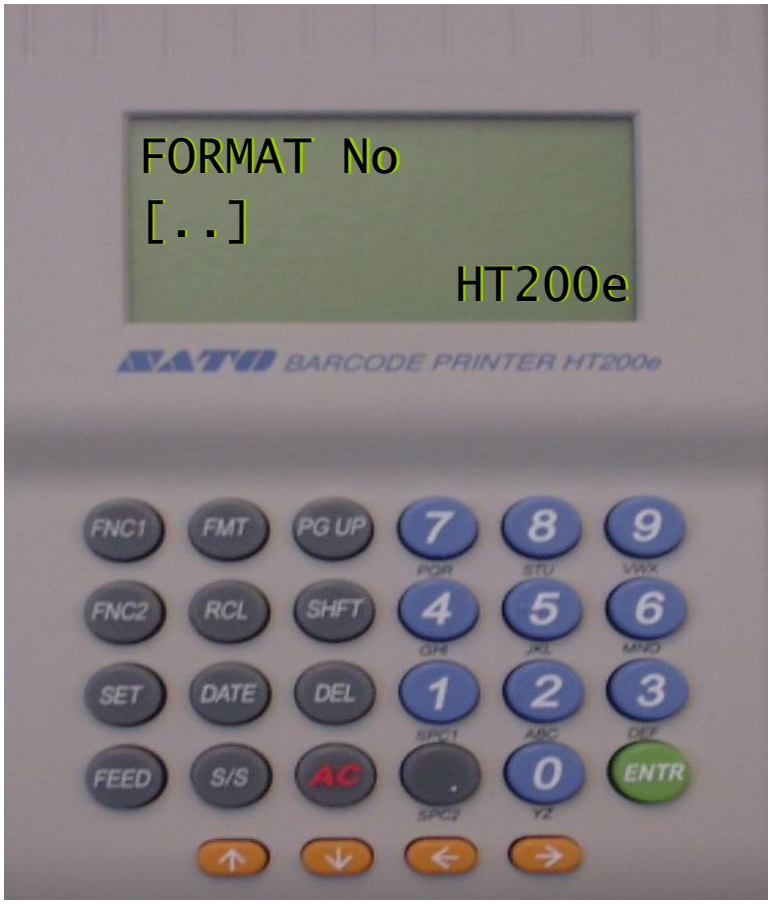
Sample Label Format

Programming

Register Mode



Refer to handout for example format for UPC price label.

It will provide you step-by-step instructions which will demonstrate the process of creating a label format with fixed and input data, barcode, price and utilizing copying data from one field to another.